Aurora continually adapted its drilling optimisation plan for its customer on this 10x well development in UK SNS to deliver incremental performance improvements. Wellbore quality was critical in the 6” hole section to allow a specialised completion to be run. The patented FAST stabiliser reamer was chosen to aid in delivering this.

**RUN 1**

The 6” FAST drilled and reamed 10,023ft during the 1st run.  
*This was the first run of the FAST Stabiliser Reamer.*  
Build/horizontal application. Record performance for 4¾” RSS.  
Very good well bore quality throughout with completion RIH without incidence.  
Formation: Permian Sandstone.

**RUN 2**

The 6” FAST drilled and reamed 8,676ft during the 2nd run.  
RSS build/horizontal application.  
13% less reaming required based on wellbore quality seen on well 1.  
Completion RIH without incidence.  
Formation: Permian Sandstone.

**RUN 3**

The 6” FAST drilled and reamed 6,036ft during the 3rd run.  
RSS build/horizontal application. New record performance for 4¾” RSS.  
30% less reaming based on wellbore quality seen on well 2.  
Completion RIH without incidence.  
Formation: Permian Sandstone.

**RUN 4**

The 6” FAST tool drilled and reamed 2,550ft during the 4th run.  
RSS build/drop pilot hole application.  

**Improved Performance**

- **FAST Patented 3 in 1 Tool**  
  (Unparalleled Wear Resistance). (Reduced drilling system harmonics through Friction Control). (Time saving Bi-Directional reaming capability).

- Low vibration signature delivered = 2 x records for SLB with their 4-3/4” RSS tools.

- Significant rig time savings made due to reduction in time spent reaming on runs 2 & 3 prior to running in hole with specialised completion.

- Only 1 x FAST stabiliser reamer used on this project.

- Drilled/reamed a total 27,285ft in 631.2 rotating hours on 4 x 6” hole sections.

- A PDC NO-GO ring gauge confirmed the FAST was in gauge after four runs.

- NO repair cost incurred by customer for the 6” FAST stabiliser reamer over the 4x runs.